

## METHODS AND APPARATUS FOR ROTOR OVER- SPEED PROTECTION

### ABSTRACT OF THE DISCLOSURE

A fuel system interface for a gas turbine engine prevents a rotor from over-speeding and receives either an electrically-originated or a mechanically-originated over-speed signal. In the exemplary embodiment, the fuel system interface is coupled to an gas turbine engine fuel shut off valve and to a fuel metering valve to shut off engine fuel after receiving an over-speed condition. As a result, because the fuel system interface acts on both the shut off valve and the fuel metering valve, rotor over-speed protection is facilitated with parallel redundant fuel cutoff devices.

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